



THE COMMISSIONER IS AUTHORIZED
TO CHARGE ANY DEFICIENCY IN THE
FEE FOR THIS PAPER TO DEPOSIT
ACCOUNT NO. 23-0975.

11/18
P. White
8-13-93

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :
Edwin SOUTHERN :
Serial No. 07/695,682 : Group Art Unit 1807
Filed May 3, 1991 : Examiner A. Marschel
ANALYSING POLYNUCLEOTIDE :
SEQUENCES :

AMENDMENT

Honorable Commissioner of Patents and Trademarks,
Washington, D.C.

Sir:

In response to the Official Action of March 23, 1993,
the period for response having been extended for one month by the
attached Petition, please amend the present application as
follows:

IN THE SPECIFICATION:

Page 20, line 6, change "positons" to --positions--.

IN THE CLAIMS:

1. (Amended) Apparatus for analyzing a polynucleotide
[sequence], comprising a support and attached to a surface
thereof an array of oligonucleotides comprising the whole or a
[chosen] defined part of a complete set of oligonucleotides of
chosen lengths, the different oligonucleotides [occupying
separate cells of the array and] being capable of taking part in
hybridization reactions.

2. (Twice Amended) Apparatus for studying differences
between [polynucleotide sequences] polynucleotides, comprising a
support and attached to a surface thereof an array of
oligonucleotides comprising the whole or a [chosen] defined part
of a complete set of oligonucleotides of chosen lengths
corresponding to the [polynucleotide sequences] polynucleotides,
the different oligonucleotides [occupying separate cells of the